**OFFICE OF CHIEF INFORMATION OFFICER**

**Proposed Projects Involving the State General Fund (cash or bonds)\***

Priority     Project Title / Description                      Total Budget

*2002-2004*

**0001**     **Enterprise Infrastructure Security**          **$1,750,000**

The Governor's Office for Technology (GOT) provides a suite of security and e-government services to all the cabinets of the Executive Branch, as well as other branches of government. The security services offered by GOT include firewalls and virtual private networking (VPN) services. These products have been successful in restricting networking services to the acceptable usage policies and providing the encrypted tunnels from the client's desktop to the enterprise firewalls.

With the evolution of security awareness and the number of security incidents increasing as the technology is maturing, other technologies are required to help provide security enhancements that has been recommended in recent audits by PriceWaterhouseCoopers, Netplex, and the Auditor of Public Accounts (APA). The ability to procure new technologies like Intrusion Detection Platforms (IDS), Public Key Infrastructure (PKI), Directory Services, etc. are essential to GOT's success in protecting resources and delivering secure e-government solutions.

**0002**     **Unified Criminal Justice Information Sys (Add'l)**     **$23,203,000**

The Unified Criminal Justice Information System (UCJIS) will allow persons and agencies in the criminal justice system timely access to vital information such as probation and parole conditions, convicted felon status, history of violence, etc.  This project was a major recommendation of the Criminal Justice Response Team that concluded its work in December 1997.  The project was included in the 1998 Surplus Expenditure Plan at a Phase I cost of $5 million and was incorporated in the 1998 Crime Bill (House Bill 455).  This is also a high priority of the Chief Information Officer of the Commonwealth.  When fully implemented, the UCJIS system will be the first of its kind to provide integrated access to all appropriate criminal justice agencies in the Commonwealth.

**0003**     **Statewide Microwave Network Maintenance (Add'l)**     **$2,500,000**

The Kentucky Emergency Warning System (KEWS) is a highly survivable and redundant microwave communications system carrying radio control, data, video and emergency voice traffic for state agencies. The system was authorized by the 1976 Kentucky General Assembly and was developed over the succeeding years. Service was initiated on KEWS in April 1979. Today, KEWS serves not only the agencies for which it was specifically designed, Kentucky Educational Television (KET), Kentucky State Police (KSP), Kentucky Vehicle enforcement (KVE), Kentucky Department for Military Affairs, and the National Weather Service (NOAA), but also local agencies serving the Commonwealth such as county sheriffs, fire dispatch, 911 dispatch, and emergency medical personnel. KEWS integrates the functions of several state agencies for use by state officials in emergency situations that require inter-agency communication and coordination.

**0004**     **Update Digital Elevation and Imagery Data**     **$3,000,000\***

This project is to provide a higher resolution elevation dataset of geographic information for the Commonwealth of Kentucky.  This project will also provide funding to produce digital imagery for counties with aging digital imagery.
*\*Total Budget includes federal funds of $2,100,000.*

| Priority | Project Title / Description | Total Budget |
|---|---|---|

**0005**     **Jones Building/CDC - Major Renovation/Addition**     **$7,095,000**
Complete renovation of this historic facility and construction of an addition of approximately 10,000 square feet. The facility will be occupied by the Governor's Office of Technology (GOT). The project will include an enclosed connector structure to link the facility to the present Cold Harbor GOT offices and repairs and upgrades to the Commonwealth Data Center (CDC). THIS PROJECT IS ALSO INCLUDED IN THE SIX-YEAR PLAN OF THE FINANCE AND ADMINISTRATION CABINET.

**0006**     **Enterprise Wireless Digital Conversion**     **$26,600,000**
The analog wireless infrastructure (Kentucky Emergency Warning System - KEWS) is a highly survivable and redundant wireless communications system providing network inter-connectivity carrying radio control, data, video and emergency voice traffic for public safety and emergency response agencies. The system was authorized by the 1976 Kentucky General Assembly and was developed over the succeeding years. Service was initiated on KEWS in April 1979. Today, KEWS serves not only the agencies for which it was specifically designed, Kentucky Educational Television (KET), Kentucky State Police (KSP), Kentucky Vehicle enforcement (KVE), Kentucky Department for Military Affairs, and the National Weather Service (NOAA), but also local agencies serving the Commonwealth including county sheriffs, fire and 911 dispatch, and emergency medical services. KEWS integrates the functions of several state agencies for use by state officials in emergency situations that require inter-agency communication and coordination.

Radio communication is one of the most essential tools public safety service providers depend upon daily. A robust public safety communication infrastructure is a critical component of the State's public safety mission. It is an enabler to a safer, healthier and more prosperous Kentucky. Thus, Kentucky's state public safety agencies must frame a common vision in which modern mobile communication technology continues to enhance the delivery of public safety services well into the 21st century. To achieve this vision, Kentucky must move rapidly and decisively to meet targeted goals for universal statewide access, improved interoperability, enhanced functionality, and adequate channel availability.

**0007**     **Integration of GIS and Local Gov'ts Data**     **$700,000**
The Local Government Geographic Information Partnership (LGIP) will create partnerships between Kentucky local governments and state agencies for digital basemap data. Local governments are creating high-resolution data with the same themes as the Statewide Digital Basemap, but at a much higher resolution and refresh rate. The Data Integration phase of this project will integrate the data created at the local level with the Statewide Digital Basemap.

**0008**     **Intelligent Road Centerline Project (GIS)**     **$1,818,000\***
This is a pilot project to start standardizing the creation of a nationwide point-based address layer or address street centerline map layer. The states are trying to create this important data but no standards exist. The Intelligent Street Centerline project is a pilot project for Southeastern Kentucky. This planned project is contingent upon receipt of a $1.8 million Department of Commerce Technology Opportunity Program Grant.
*Total Budget includes federal funds of $900,000.*

### *2004-2006*

None

Priority     <u>Project Title / Description</u>                                                   <u>Total Budget</u>

### *2006-2008*

None

\*Notes
- Unless otherwise indicated, the total budget would be financed from the state General Fund (cash or bonds).
- Priority rankings were required to be assigned only to those projects proposed for 2002-04; projects for 2004-06 and 2006-08 are listed in alphabetical order.
- Descriptions are as provided in the "Brief Description and Justification" field of the agency's capital plan submission.

# OFFICE OF CHIEF INFORMATION OFFICER

## Proposed Projects NOT Involving the State General Fund*

Project Title / Description                                          Total Budget      Source(s)

### *2002-2004*

**Disk Storage Upgrade (Add'l)**                                    **$1,774,000**          **RF**
The Governor's Office for Technology and its predecessor agency, the Department of Information Systems, maintain a computing facility that has been shared by all state agencies for over twenty years. This large shared computing facility, known as the Commonwealth Data Center, is located on Cold Harbor Drive in Frankfort.  This facility houses computer servers that perform the computing required by Kentucky's most important enterprise applications, such as the statewide financial, procurement, and budgeting system (MARS), the unified personnel and payroll system (UPPS), important social welfare and social services systems (KAMES, KASES, and TWIST), vehicle registration (AVIS), employment assistance (KEWES), integrated tax systems (KITES), and many others.  The servers that support these critical enterprise applications utilize disk storage systems to store trillions of characters of information required to support these applications.

**Enterprise Messaging**                                           **$660,000**          **RF**
Enterprise messaging services provide electronic e-mail (Intranet and Internet), calendaring, contacts and other personal information management (PIM) functions to messaging subscribers.  Currently, approximately 35,000 state and local government employees, libraries, constitutional offices and commissions utilize the services.  Approximately, another 80,000 Education, Arts and Humanities Cabinet employees, non-participating Executive Branch agencies and others depend on enterprise messaging for routing of messages among their individual sites.  Enterprise messaging processes approximately 1 million messaging transactions a day.  Add-on features to enhance the users' ability to communicate include desktop fax and wireless messaging via the Blackberry handheld devices.  Also, Enterprise Messaging assists the desktop virus protection program by discovering and quarantining infected messages and files as they enter the enterprise.

**Enterprise Server Complex Upgrade (Add'l)**                      **$4,740,000**          **RF**
The Governor's Office for Technology and its predecessor agency, the Department of Information Systems, maintain a computing facility that has been shared by all state agencies for over twenty years. This large shared computing facility is known as the Commonwealth Data Center and is located
on Cold Harbor Drive in Frankfort.  This facility houses computer servers that perform the computing required by Kentucky's most important enterprise applications, such as the statewide financial, procurement, and budgeting system (MARS), the unified personnel and payroll system (UPPS), important social welfare and social services systems (KAMES, KASES, and TWIST), vehicle registration (AVIS), employment assistance (KEWES), integrated tax systems (KITES), and many others.  The servers that support these critical enterprise applications are called enterprise servers, and are collectively referred to as the enterprise server complex.

**Ky Information Highway Upgrade Expansion**                       **$3,500,000**          **RF**
The Kentucky Information Highway is a public/private partnership between the Commonwealth of Kentucky and the Local Exchange Carrier Telephone Group with BellSouth as the managing partner and Qwest Communications.  This six-year old communications infrastructure has facilitated the deployment of technology as an enabling tool throughout the Commonwealth.  The infrastructure is utilized by over 2000 state government locations, all 176 K-12 school districts with 1350 schools, over 80 postsecondary education locations, 200+ distance learning locations and numerous other political subdivisions.  It also provides the infrastructure for statewide internet access

| Project Title / Description | Total Budget | Source(s) |
|---|---|---|

**Tape Storage Upgrade (Add'l)**              **$1,290,000**      **RF**

The Governor's Office for Technology and its predecessor agency, the Department of Information Systems, maintain a computing facility that has been shared by all state agencies for over twenty years. This large shared computing facility, known as the Commonwealth Data Center, is located on Cold Harbor Drive in Frankfort.  This facility houses computer servers that perform the computing required by Kentucky's most important enterprise applications, such as the statewide financial, procurement, and budgeting system (MARS), the unified personnel and payroll system (UPPS), important social welfare and social services systems (KAMES, KASES, and TWIST), vehicle registration (AVIS), employment assistance (KEWES), integrated tax systems (KITES), and many others.  The servers that support these critical enterprise applications utilize tape storage systems to store and backup trillions of characters of information required to support these applications.

### *2004-2006*

None

### *2006-2008*

None

\*Notes
- Priority rankings were required to be assigned only to those projects proposed to be financed from the state General Fund (cash or bonds) in 2002-04; all other projects are listed in alphabetical order.
- Descriptions are as provided in the "Brief Description and Justification" field of the agency's capital plan submission.
- Sources:  AB = Agency Bonds; FF = Federal Funds; RF = Restricted Funds; OT = Other Funds; TF = Road Fund